EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
	IT	6238		
	KSS	24950		
	FSD	37188		
	CWC	6238		
	CBT	624		
	Rly	15065		
	FIL	2000		
		86303		

RA Bill No II 2nd & final

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193025

Serial No. BR-214/31-7-14

Name of work: Improvements of roads From and Const of cc drain with Covering Slab from Kadugehalli Circle to Govt School in Kadugehalli ward no 8

Name of Contractor of nature of Agency: Sri. K.V. Subbareddy Contractor B/o B/m

Date of commencement of work: Agreement no E.E/ BAP/ BBMP/ E and D/ 93 / 2012-13 dt 14/8/2012

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Sheet no 1	Earthwork excn by manual means in hard soil including horizontal throw upto 2 coolies and average lift upto 0.6 cent.						
	Culvert @ 1st Cross	1	4.70	1.85	1.50	9.52 Cum	
	Culvert @ 2nd Cross	1	5.00	1.85	1.50	10.13 "	
	cc drain from Circle to 1st Cross	1	30.00	0.90	0.90	24.30 "	
		1	15.00	0.90	0.90	12.15 "	
	cc drain from 1st Cross to 2nd Cross	1	30.00	0.90	0.90	24.30 "	
		1	13.00	0.90	0.90	10.53 "	
	cc drain from 2nd Cross to Rajakalave	1	32.00	0.90	0.90	25.92 "	
	cc drain from Rajakalave to Cross road	1	30.00	0.90	0.90	24.30 "	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	16.00	0.90	0.90	12.96	
	Deduct previous Qty vide Pdo-193020 of YMB. . . . ⇒					240.95	
	Now to be paid					48.35	
						192.60	
Item. do ②	Removing BS Slab Coarse and Stacking					@ Rs 91.00	Rs 1863.00
	etc Complete as per Specification.						.5%ub =
	previous Executed Qty vide Pdo-193020 vide					267.30 Cum	
	YMB ie					267.30 Cum	
	Deduct previous Qty					NIL	
	Now to be paid						
Item. do ③	Scarifying top bituminous Surface or						
	Surface dressing or pre-mix Carpet						
	previous Executed Qty vide Pdo-193020 of YMB					1254.50	
	ie					1254.50	
	Deduct previous Qty					NIL	
	Now to be paid						

M.A.R. 5

Measu

Serial No.....

Name of work.....From

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
Item. do ④	providing laying Spre	
	Stone aggregate to wet mix	
	previous Executed Qty	
	YMB ie	
	Do	
Item. do ⑤	providing and sp	
	with bituminous Consolidation on	
	granular base	
	previous Execut Qty	
	YMB	

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
16.00	0.90	0.90	12.96	
0-193020 of YMB.			240.95	
Now to be paid			48.35	
nd Stacking			42.60 Rt-58.75	
hon.		CR	91.00 Rs 1863.00 .5 Jmb =	
vide pdo-193020		vide		
			267.30 Cum	
us Contly			267.30 Cum	
to be paid			NIL	
revious Surface or				
e Carpet				
pdo- 193020 ie		of YMB	1254.50	
previous only			1254.50	
Now to be paid			NIL	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193026

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item. do (4)	providing laying spreading and Compacting grade Stone aggregate to wet mix macadam Specification. previous Executed only vide pdo-193021 of YMB ie					188.18 Cum	
	Deduct previous only					188.18	
	now to be paid					NIL	
Item. no (5)	providing and applying prime Coat with bitumen emulsion on the prepared Surface of granular base previous Executed only YMB		vide pdo-193021 of.		ie	1254.50 Sqm	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Deduct previous only	1254.50 Sqm	
					Now to be paid	NIL	
	Item No ⑥ providing and laying Recon dense bituminous Concrete Bitumen grade with 100-120 PH etc Complete. Total only Exe cubic rate Pdo - 193023 of CMB					31.36 Cum	
					Deduct previous only	31.36	
	Item No ⑦ Road marking with hot applied thermo plastic Compound with applied glass beads on bituminous Surface etc Total only Executed vide pdo-193023 of CMB					48.25 Sqm	
					Deduct previous only	118.25	
					Now to paid	NIL	

M.A.R. 57

Measure

Serial No.....

Name of work.....From...

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	Item No ⑧ providing and [illegible] die Cast in alluminium, etc. Total only Exe cubic [illegible] of CMB.	
	Item No ⑨ providing and fixing Cautionary mandatory and [illegible] Total only Executed	

IREMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
duct previous only			1254.50 Sqm	
now to be paid			NIL	
g Recon dense				
Recon - Item with 100 - 120 PH				
Exe under Vide Pro - 193023				
			31.36 Cum	
Deduct previous only			31.36	
now to be paid			NIL	
ood with applied				
Surface ex				
vide pro - 193023 of				
i/c			48.25 Sqm	
duct previous only			48.25	
now to paid			NIL	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193027

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Item do (8) providing and fixing of road Mark - 100x100 mm dia Cast in aluminium, reflectance to Cross Line etc. Total only Exe under vide pro - 193023 of item 8.					effect	
					i/c	15.00	
					Deduct previous only	15.00	
					now to be paid	NIL	
	Item do (9) providing and fixing retro-reflectorised Cautionary mandatory and information type Total only Executed						
						5.00	
					Deduct previous	5.00	
					now to paid	NIL	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Dtto. do (10) providing and laying in position plain Cement Concrete of mix M 4.50 with OPC Cement @ 180 kgs. using coarse & clean Aggregate Stone crushed.						
	Culvert @ 1st Cross	1	4.40	1.35	0.15	0.95 Cum	
	" 2nd Cross	1	5.00	1.35	0.15	1.01 "	
	CC drain from Gorle to 1st cross	1	30.00	0.80	0.15	3.60 "	
	" 1st to 2nd d/r	1	15.00	0.80	0.15	1.80 "	
		1	30.00	0.80	0.15	3.38	
	CC drain from 2nd cross to Rajtekdi	1	13.00	0.45	0.15	1.46 "	
		1	30.00	0.45	0.15	3.60 "	
	CC drain from Rajtekdi to c/r	1	30.00	0.45	0.15	3.38	
		1	16.00	0.45	0.15	1.80	
						20.98 Cum	

M.

Serial No.....

Name of work.....

Name of Contractor of nature of Agency....

Date of commencement of work.....

Date	Full description, etc, of work	Nu
1	2	
	Dtto	
	Dtto. do. (13) providing rim Lock including, Drang Culvert Sidewall 1st cross 16mm " 12mm " Covering Slab 16mm 16mm Bank	

BOOK

Dimensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
Brick	Plain	Concrete	
Concrete @ 150 kgs.			
Stone metal.			
1.35	0.15	0.95 Cum	
1.35	0.15	1.01 "	
0.80	0.15	3.60 "	
0.80	0.15	1.80 "	
0.80	0.15	3.38	
0.45	0.15	1.46 "	
0.45	0.15	3.60 "	
0.45	0.15	3.38	
0.45	0.15	1.80	
		20.98 Cum	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193028

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Brought to ...				→	20.70 Cum	
	Steel do. (13) providing and Steel reinforcement for RCC work including, Straightening, Cutting, bending etc.					@ Rs 6136.00/Cum	Rs 85615.00
	Culvert Sidewalk Slabs do's	Length	total				
	16mm ⌀	41	3.15	129.15 Kgs			
	12mm ⌀	24	4.40	98.70 "			
	Covering Slab						
	16mm ⌀	20	1.70	34.00 "			
	16mm ⌀ bank	20	1.35	27.00 "			

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	12mm	12	4.40	56.40			
	Culvert Side walls - Land C/A						
	16mm ✓	42	3.15	132.30			
	12mm ✓	21	5.00	105.00			
	Covering Slab - 16mm	21	1.70	35.70			
	16mm Cancelled	21	1.35	28.35			
	12mm	12	5.00	60.00			
	CC down Bottom -						
	Side wall - 16mm	375	2.15	806.25			
	8mm	14	45.00	630.00			
	16mm	358	2.15	769.70			
	8mm	14	43.00	602.00			
	16mm	266	2.15	571.90			

M.A.R. 57

Measurem

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	D
		Number
1	2	3
	8mm	14
	16mm	383
	8mm	14
	Covering Slab - 16mm	375
	8mm	6
	16mm	358
	8mm	6
	16mm	266
	16mm	6
		383

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ngth 4	Breadth 5	Depth 6	7	8
10	56.40 mt			
15	132.30 mt			
00	105.00 "			
10	35.70 "			
35	28.35 "			
00	60.00 "			
15	806 sft			
	630.00			
	769.71			
	602.00			
	571.00			

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193029

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	8mm	14	32.00	448.00 mt			
	10mm	383	2.15	823.45 mt			
	8mm	14	46.00	644.00 mt			
	Covering Slab - 10mm	375	0.45	281.25 mt			
	8mm	6	45.00	270.00 "			
	10mm	358	0.75	268.50 "			
	8mm	6	43.00	258.00 "			
	10mm	206	0.45	199.50 "			
	10mm	6	32.00	192.00 "			
		383	0.75	287.25 "			

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	8mm	6	46	276.00			
	Total Only 8mm →			3320.00 x 0.395 kg/m		= 1294.80 kg	
	16mm →			4007.80 x 0.62 kg/m		= 2484.84 kg	
	12mm →			320.10 x 0.89 kg		= 284.89	
	16mm →			254.20 x 1.58 kg/m		= 401.64	
					Total	4466.16 kg	
					Say	44.66 Qtls	
				Rounded to		44.00 Qtls	
						@ 7714.00 Rs	3,39,416.00

M.A.R. 5

Measur

Serial No.....

Name of work.....From...

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	L
1	2	3	
Item do (IV) providing and			
bending, propping			
(I) Culvert - 1st Cross		4	4
(II) Culvert - 2nd Cross		4	
(III) Cadaam form Circle		4	
to 1st Cross			
(IV) Cadaam - 1 Cross to		4	
2nd Cross		4	
(V) 2nd Cross to Raybalaw		4	
Raybalaw to Cadaam		4	

SUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
er	Length 4	Breadth 5	Depth 6	7	8
	46	276.00			
→		332.00 sqm × 0.39 kg/sqm = 1294.80 kg			
→		4007.80 × 0.62 kg/sqm = 2484.84 kg			
→		320.10 × 0.89 kg = 284.89 kg			
→		254.20 × 1.58 kg/sqm = 401.64 kg			
		Total 4466.16 kg			
		Say 44.66 Qtls			
		Rounded to 44.00 Qtls			
		@ 7714.00 Rs 3,39,416.00			

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193030

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Item do	(IV) providing and recovering, Centering, Shuttering, Striking, propping etc and removal of form work etc.						
	(I) Culvert – 1st Cross	4	4.40	-	0.90	16.92 Sqm	
	(II) Culvert – 2nd Cross	4	5.00	-	0.90	18.00	
	(III) Cdrain form Circle to 1st Cross	4	30.00	-	0.90	108.00	
	(IV) Cdrain – 1 Cross to 2nd Cross	4	15.00	-	0.90	54.00	
	(I) 2nd Cross to Rajakalave	4	30.00	-	0.90	108.00	
	Rajakalave to Cdrain	4	13.00	-	0.90	46.80	
		4	32.00	-	0.90	115.20	
		4	30.00	-	0.90	108.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	16.00	0.45	0.10	1.20 Cum	
						96.00 Cum	
						96.00 Cum	
						Qty 5561.00 Cum / Rs 4,22,692.00	
	Deon. abo. (14) Loading and unloading of Stone boulders / Stone aggregates / Sand etc						
	Qty vide Deon. abo (1) to (13) ie 241.95 Cum					Qty 72.00 Cum Rs	Rs 17,348.00
						Total Rs	10,32,258.00
	checked & found all items correct						1023584
	J. G. Madhu Rao						28/7/14

Serial No..... From.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Len
1	2	3	
		10,23,584=00	
		12711 6=	
		896468=00	

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
16.00	0.45	0.10	1.20 Cum	
			96.00 Cum	
			96.00 Cum	
			Cft 5561.00/ Cum	Rs 4,22,692.00
			Cft 72.00/Cum Rs	Rs 17,348.00
			Total Rs	10,33,258.00
				1023584

F.A.R. 57 (Rule 116)

Measurement Book No. A/11 193033

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ಒಟ್ಟು ಮೊಬಲಗು ರೂ. 10,23,584=00				IT - 10236		
	ಗುತ್ತಿಗೆದಾರರಿಗೆ : ಇದರಲ್ಲಿ ರೂ. 127116=00				VAT - 40943		
	ಮೇಲಾಧಿಕಾರಿಗಳು ಅಂತಿಮ ಮೊಬಲಗು				Edu - 56247		
	ರೂ. 896468=00				Lwr - 10236		
	ಮೇಲ್ ಮಾಪನದಲ್ಲಿ ಸಿಡಬಹುದಾದ				CBF - 1024		
					Roy - 7880		
					Fine - 500		
					8/3		
					Total 127116=		